

VMECA

Vacuum Technology

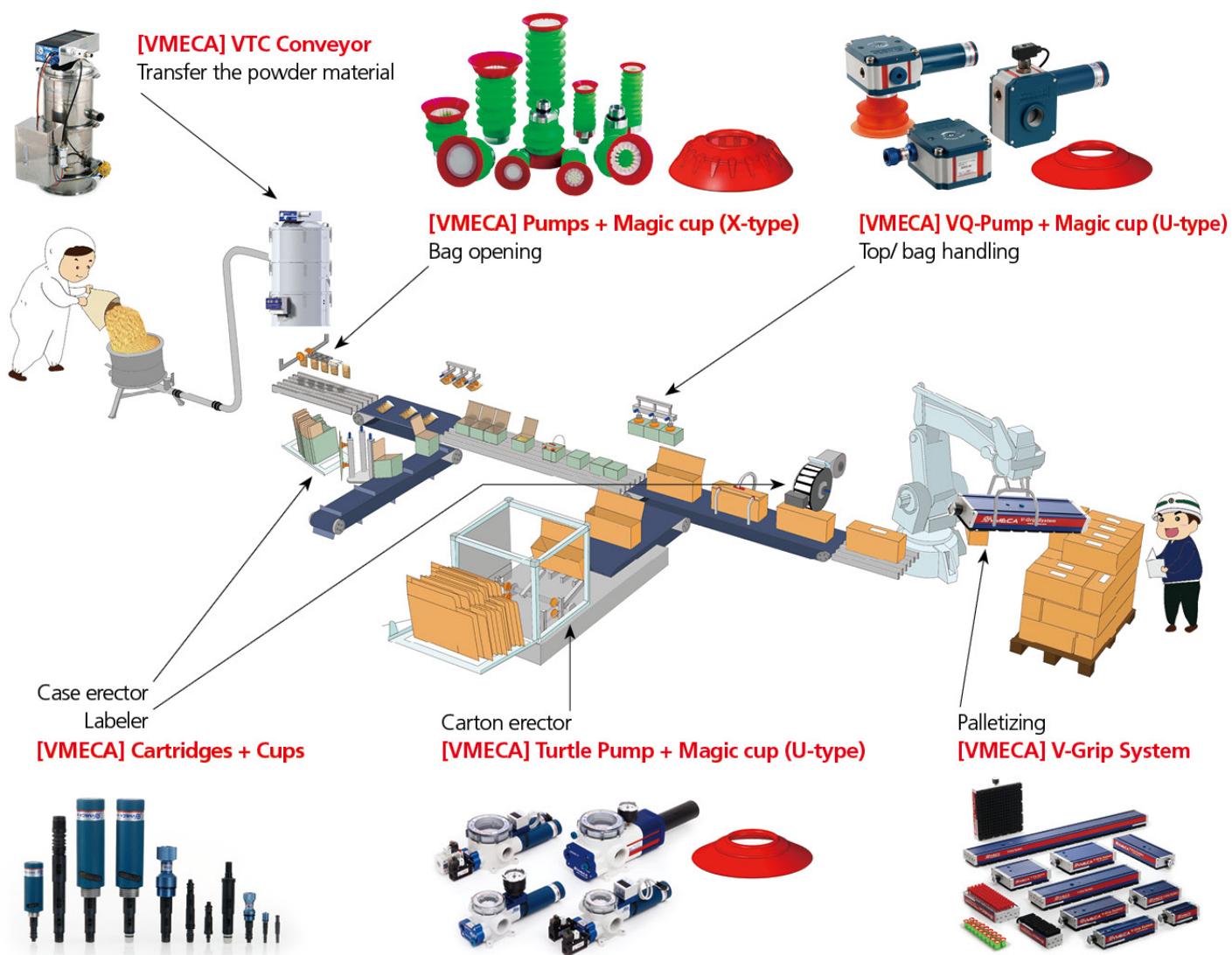
Innovative **New** Technology for
Packaging Industries



Magic Suction Cups



■ VMECA in Packaging Industry



■ VMECA Mission

Our goal is to offer customers a way to save energy by using the most advanced technology which is orientated to "customer's satisfaction" and "eco-friendly" environment while giving the best quality products out in the market.

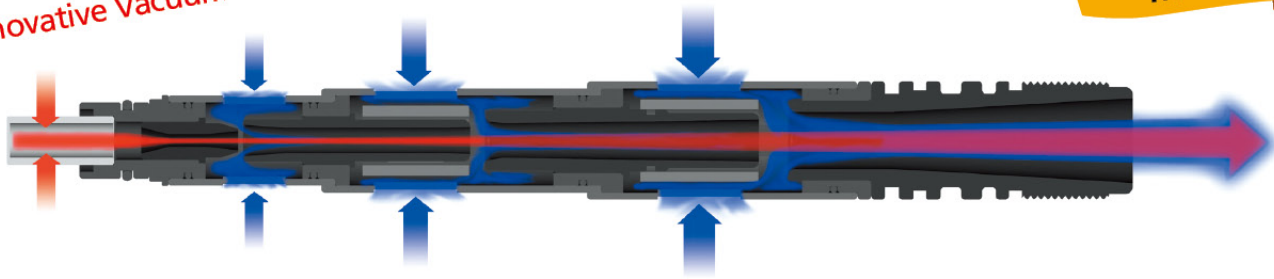


■ VMECA Cartridge Vacuum Pumps

VMECA Vacuum Cartridge is an advanced solution for creating vacuum with compressed air. Based on VMECA multistage technology, VMECA cartridges are smaller, more efficient and more reliable than conventional ejectors, which allows for the design of a flexible, modular and efficient vacuum system. VMECA Vacuum Cartridge can provide you with three times more vacuum flow than conventional systems, allowing you to increase speed with high reliability, while reducing energy consumption.

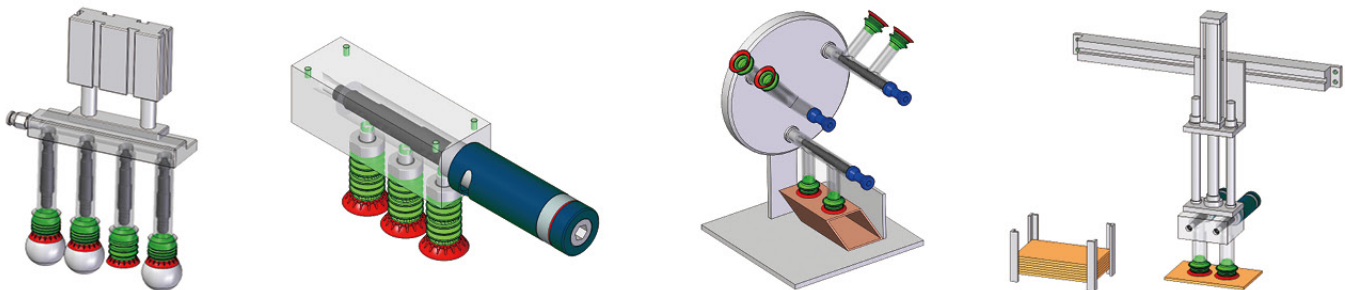
Innovative Vacuum Technology

**INTERNATIONAL
PATENT**

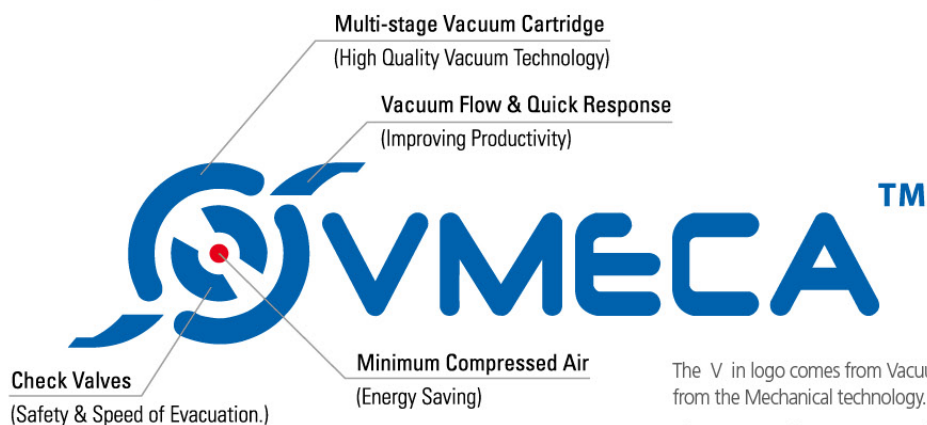


Features and Advantages of VMECA Vacuum Cartridge

- ✓ Multistage vacuum cartridge pump
- ✓ Extremely compact and light weight design
- ✓ Very low air consumption
- ✓ Quick response time
- ✓ Suitable for applications that required high operational reliability despite fluctuating or low compressed-air pressure
- ✓ Extremely large vacuum flow
- ✓ Suitable to integrate close to the suction point
- ✓ Applications with very limited space
- ✓ Minimum mounting dimensions
- ✓ Patented design



■ VMECA Brand Identity



The V in logo comes from Vacuum technology and MECA comes from the Mechanical technology.

The VMECA reflects Vacuum and Mechanical technology that combines well and supplies complement system to the customers.

■ Magic Suction Cup

VMECA Magic Suction Cup is a unique configurable suction cup concept with individually optimized parts for gripping, lifting and height compensation. Magic Suction Cup can solve many problems when handling thin films, bags, pouches, carton box and many others. These Vacuum Cups reliably clip together to build a suction cup suitable for each individual product or application. A wide range of different bellows and sealing lips for height compensation, lips and inserts are available to meet many industrial applications.

Fitting

Various thread selection for many machines and industries

- ✓ All fittings are possible to use for all configurations.
- ✓ Easy to upgrade/change. ✓ Mesh filter available.

Bellows cartridge

Several top bellows cartridge

- ✓ Gateway between fittings and middle bellows.
- ✓ Individually optimized top bellows for each applications.

Suction Stopper

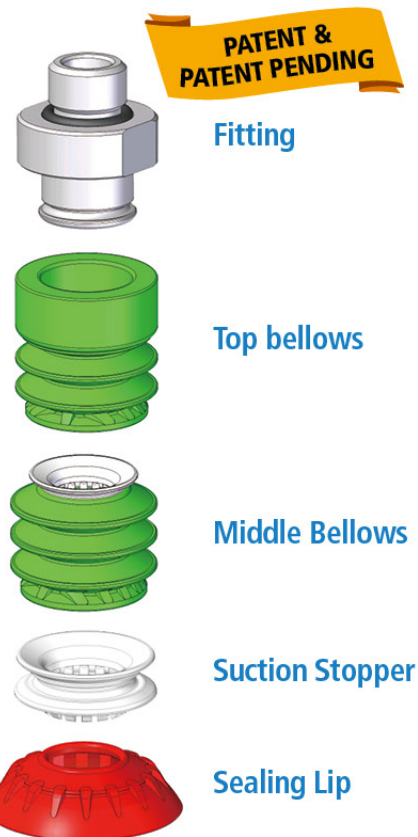
Various stopper selection for many different application

- ✓ Select the right stopper according to application.
- ✓ Strong connection. ✓ Various kinds of object handling.
- ✓ Various suction stoppers are available.
- ✓ Bellows cartridge isn't crumpled in vacuum stage.

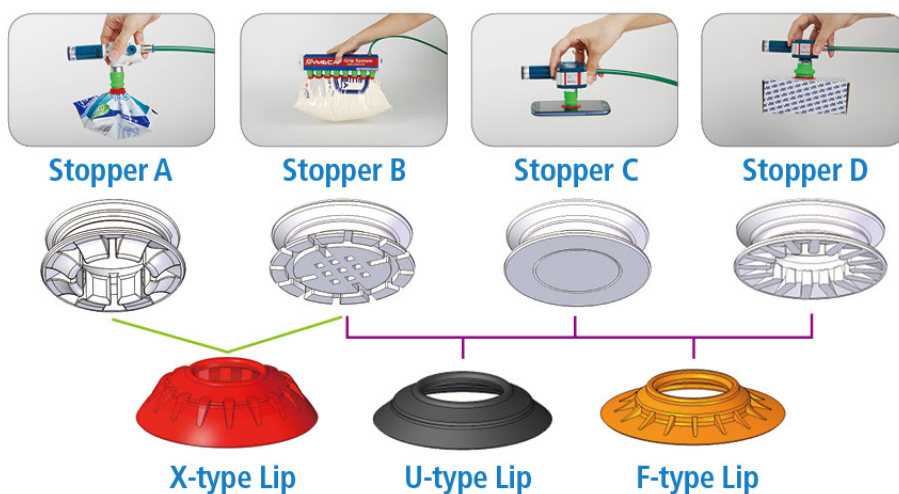
Sealing Lip

Excellent for various application

- ✓ Easy replace with different cups style and different size.
- ✓ Easy select for any application.
- ✓ Various material available. (NBR, Silicon, Polyurethane...)



New



Suction Cups

Magic Suction Cups

Magic Suction Cups

Magic Suction Cups

■ Turtle Pumps

VMECA vacuum cartridges integrated Turtle pump which is the best solution for the vacuum application. Turtle pump is the all-in-one system, the air supply / vacuum release control valve, vacuum switch, vacuum filter are integrated in a body.

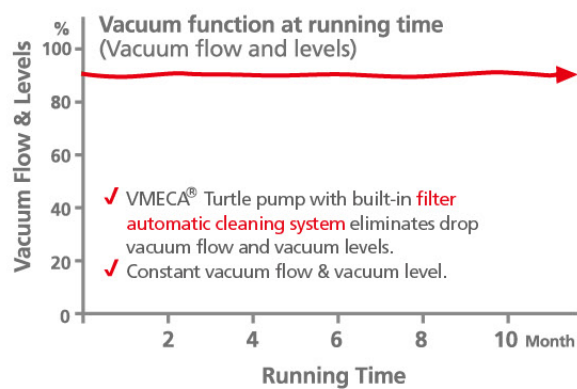
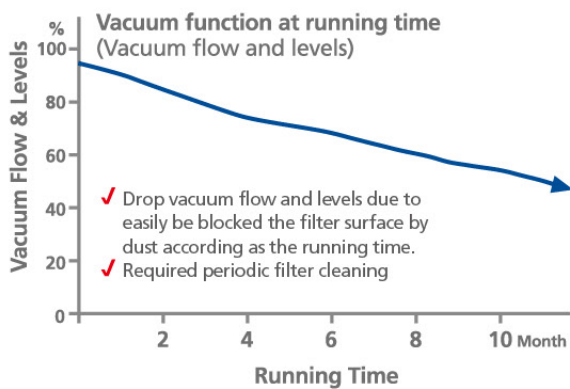
Features

- ✓ Integrated high dirt holding capacity pleated filter
- ✓ Patented design
- ✓ Automatic vacuum filter cleaning system
- ✓ Compact size and light weight
- ✓ VMECA Twofold Silencer assures low noise levels
- ✓ Optional Air-Saving (AS) kit available to minimize energy consumption
- ✓ High operational reliability despite fluctuating or low compressed-air pressure

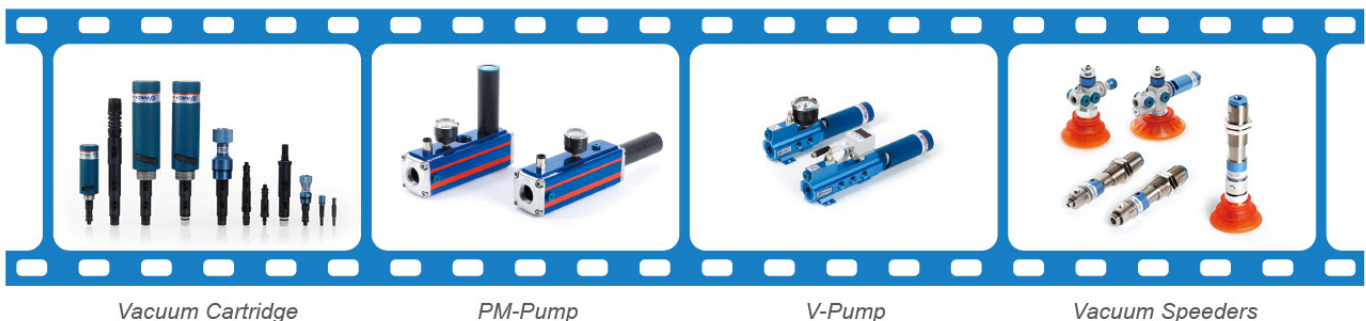
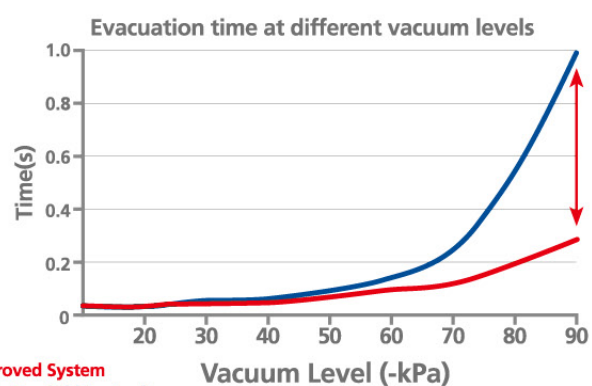
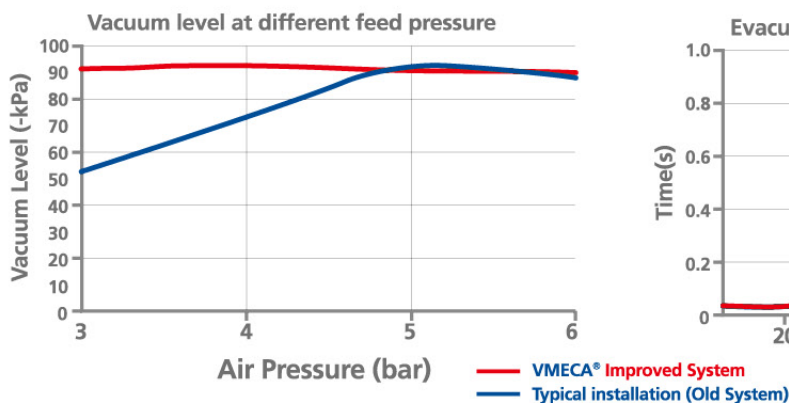
**INTERNATIONAL
PATENT**



■ Comparison of Evacuation time at different vacuum levels



■ Comparison of Vacuum level at different feed pressure



Vacuum Cartridge

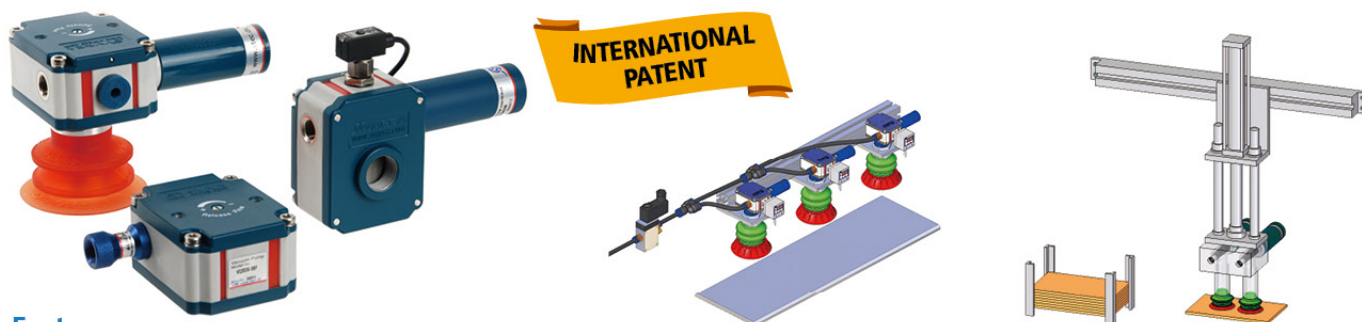
PM-Pump

V-Pump

Vacuum Speeders

■ VQ-Pumps (Vacuum Quick Release Pump)

VMECA VQ-Pump has integrated VMECA vacuum cartridge with vacuum filter. VQ-Pump have an automatic blow-off and self-filter cleaning function. And it is designed with compact size and light weight.



Features

- ✓ No need filter (integrated vacuum filter)
- ✓ Automatic blow-off and filter cleaning
- ✓ Integrated VMECA vacuum cartridge pump
- ✓ Fast response time
- ✓ Low air consumption (Energy save)
- ✓ Compact size and Light weight

Automatic quick release and filter cleaning

■ Vacuum Speeder

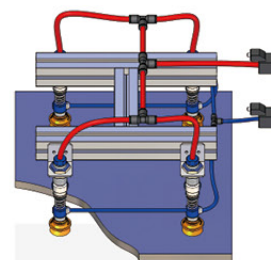
VMECA Vacuum cartridge is built in to the body of the level spring compensator. System plumbing is virtually eliminated and vacuum is created directly at the point of use. Quicker response and fast cycle times with minimum compressed air usage are the result.



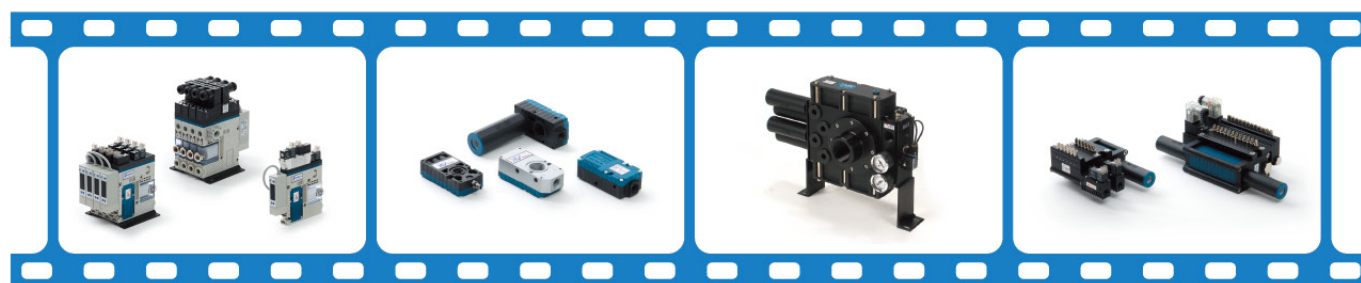
INTERNATIONAL PATENT

Features

- ✓ Individual vacuum system
- ✓ Easy installation
- ✓ Compact size and easy to mount
- ✓ Low energy consumption
- ✓ Long life time (life-span)
- ✓ Fast response time (increased speed)
- ✓ Integrated vacuum generator with level compensator



Individual Vacuum



Keyboard Pump

Mini Pump

Maxflex Pump

One-line Pump

■ Water Free (Mini Water Dryer)

VMECA Water-Free will help you protect and remove up to 99% of the moisture in air line with minimal pressure. The Water-Free requires no maintenance and electricity which can also increase your pneumatic products lifetime.



Features

- ✓ Minimal pressure loss
- ✓ No maintenance
- ✓ Moisture removal up to 99.9%
- ✓ No electricity and simple dynamics design
- ✓ No effect in performance by time, flow rate and moisture proportion

■ V-Grip Systems (Vacuum Gripper System)

Based on the integrated vacuum cartridge with flexible sealing foam or magic suction cups, V-Grip System can handle various products with different shapes and size materials.

Features

- ✓ Handles various products with different shapes and sizes material
- ✓ Flexible sealing foam to excellent grip both even & uneven surface products.
- ✓ Adjustable check valve holes & perfect closure of the idle suction ports.
- ✓ Durable and light weight aluminum body frame.
- ✓ Easy installation and low maintenance.
- ✓ Optional standard, adjustable or suction cup array types are available.



Classic Pump



Mega Pump



Level Compensators



Vacuum Accessories

■ Vacuum Conveyor

Why!! we are VMECA Vacuum Conveyor System

- ✓ Minimal Maintenance
- ✓ Automatic Filter Cleaning System
- ✓ Low Energy Consumption
- ✓ Simple to Install
- ✓ Compact Size
- ✓ Easy to Clean
- ✓ Dustless Conveying
- ✓ Made of Acid-Proof
- ✓ Polished Stainless Steel
- ✓ Low Noise Level



ISO 9001 CERTIFIED



ATEX Approval
II 1Dc 90°C / II 2 GD c 100°C



GERMANY

VMECA GmbH
Gutenberg Strasse 20
D-70794 Filderstadt, Germany
Phone: +49-711-4408-3260
Fax: +49-711-4408-3261
Web: www.vmecca.com
Email: vtec@vmecca.com

KOREA (ASIA)

VMECA Co., Ltd.
24, Beotkkot-ro 10-gil
Geumcheon-gu Seoul 153817 Korea
Tel: +82-2-2617-5008 (Rep.)
Fax: +82-2-2617-5009
<http://www.vmecca.com>
e-mail: vmecca@vmecca.com

USA

VtecUSA Inc.
1305 San Gabriel Blvd., Suite 203
Rosemead, CA 91770
Tel: +1-213-258-7114 (Rep.)
Fax: +1-626-569-9978
<http://www.vmecca.com>
e-mail: infousa@vmecca.com

- | | | | | | | | | |
|-------------|-------------|---------------|-----------|---------------|---------------|----------|--------------|----------|
| • Argentina | • Australia | • Austria | • Belgium | • Brazil | • Canada | • China | • Colombia | • Czech |
| • Denmark | • Egypt | • France | • Hungary | • India | • Indonesia | • Iran | • Israel | • Italy |
| • Japan | • Lebanon | • Malaysia | • Mexico | • Netherlands | • New Zealand | • Norway | • Philippine | • Poland |
| • Spain | • Sweden | • Switzerland | • Taiwan | • Thailand | • Turkey | • UK | | |